

| <b>Free Chlorine by DPD Method</b><br><b>HACH 8021 (Document ID DOC316.53.01023)</b>  |                  |   |   |     |          | Page 1 of 1 |
|---|------------------|---|---|-----|----------|-------------|
| Facility Name: _____ VELAP ID _____   |                  |   |   |     |          |             |
| Assessor Name: _____ Analyst Name: _____ Inspection Date _____  |                  |   |   |     |          |             |
| Relevant Aspect of Standards  | Method Reference | Y | N | N/A | Comments |             |
| <i>Records Examined:</i> SOP Number/ Revision/ Date _____ Analyst: _____<br>Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____  |                  |   |   |     |          |             |
| Are samples analyzed immediately upon receipt?  | Page 1           |   |   |     |          |             |
| If over-range, are samples diluted with chlorine demand-free water and the test repeated?   | Page 1           |   |   |     |          |             |
| <b>Powder Pillow Procedure:</b>   |                  |   |   |     |          |             |
| For a sample blank, is a sample cell filled with 10 mL sample, wiped, inserted into the cell holder, and the instrument zeroed?   | Page 2           |   |   |     |          |             |
| To prepare a sample, is a second sample cell filled with 10 mL of sample, the contents of one DPD Free Chlorine Powder Pillow added, and the cell swirled for 20 seconds to mix?                            | Page 2           |   |   |     |          |             |
| Is the colored sample inserted into the cell holder and read within one minute of adding the reagent?   | Page 2           |   |   |     |          |             |
| <b>AccuVac Ampul Procedure:</b>   |                  |   |   |     |          |             |
| For a sample blank, is a sample cell filled with 10 mL sample, wiped, inserted into the cell holder, and the instrument zeroed?   | Page 3           |   |   |     |          |             |
| To prepare a sample, is a portion of at least 40 mL of sample poured into a 50 mL beaker, and a DPD Free Chlorine Reagent AccuVac Ampul filled from the beaker (while keeping the tip immersed until full)? | Page 3           |   |   |     |          |             |
| After filling, is the ampul quickly inverted several times to mix?  | Page 3           |   |   |     |          |             |
| Is the ampul inserted into the cell holder and read within one minute after sample addition?  | Page 3           |   |   |     |          |             |
| Notes/Comments:   |                  |   |   |     |          |             |